Claims

1. Drive for an adjustable motor vehicle part, with an electric motor (10) with a worm drive which has a worm wheel (28) surrounded by a gearbox (36, 38; 136, 148), and with electronic components (32, 34) for operation of the electric motor, characterized in that at least the important part of the electronic components (32, 34) is located between the worm wheel (28) and the gearbox (38; 138).

2. Drive as claimed in claim 1, wherein the electronic components (32, 34) are located essentially within the contour of the worm wheel (28).

3. Drive as claimed in claim 1 or 2, wherein the electronic components are formed at least in part by ASICs (34).

4. Drive as claimed in one of the preceding claims, wherein the electronic components (32, 34) are formed as SMD components.

5. Drive as claimed in one of the preceding claims, wherein the gearbox consists essentially of a carrier (36; 136) which bears the electric motor (10) and the worm wheel (28), and a box cover (38; 138).

6. Drive as claimed in one of the preceding claims, wherein the electronic components (32, 34) are mounted directly on the gearbox (138).

7. Drive as claimed in claim 5, wherein the electronic components (32, 34) are mounted directly on the box cover (138).

8. Drive as claimed in claim 7, wherein the box cover (138) is made of electrically insulating material.

9. Drive as claimed in claim 8, wherein the box cover (138) is made of plastic to which printed conductors are applied for electrical connection of the electronic components (32, 34).

10. Drive as claimed in claim 5, wherein the box cover (138) is provided with an electrical terminal (140).

11. Drive as claimed in claim 1 to 5, wherein the electronic components (32, 34) are mounted on a card (30) which is parallel to the worm wheel (28).

12. Drive as claimed in claim 11, wherein the card (30) lies between the box cover (38) and the worm wheel (28).

13. Drive as claimed in one of the preceding claims, wherein the motor shaft (16) bears a worm which engages a worm wheel (28), and the brush system (18) for the electric motor (10) is located in the vicinity of the worm.

14. Drive as claimed in claim 13, in so far as referenced to claim 6 or 7, wherein the brush system (18) is integrated into the gearbox (36; 136).

15. Drive as claimed in claim 14, wherein the gearbox (36; 136) is provided with a receiver (42) for the brush holder support (20).

16. Drive as claimed in claim 15, wherein the gearbox (36; 136) is provided with contact-making means (44) for the brush holder support (20).

17. Drive as claimed in claim 16, wherein the contact making means (44) is inserted and/or extrusion-coated conducting components.

18. Drive as claimed in claim 13, in as much as referenced to claim 11, wherein the brush system is integrated into the card.